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TABLE OF CONTENTS OF VOLUME III, 1945, OF
WORKS OF THE PHYSICAL INSTITUTE IMENI LEBEDEV

The following report gives the table of contents of Trudy Fizicheskogo
Instituta, Vol III, 1945, published by the Press of the Academy of Sciences
 USSR in Moscow/Leningrad. Volume III is divided into two numbers, as follows:

Number One

1. S. I. Vavilov, "Short Outline History of the Physical Cabinet, Physi-
 cal Laboratory, and Physical Institute of the Academy of Sciences USSR" (speech
 given at the Triumphant Session of the Physical Institute imeni P. N. Lebedev,
 12 June 1945), pp 5-24.

2. S. N. Vernov, "Latitudinal Effect of Cosmic Rays in the Stratosphere
 and Test of the Cascade Theory" (dissertation for PhD degree in Mathematical
 Physics, 1939), pp 25-114.

Includes a 3-page summary in English.

3. L. V. Groshev, "Pair Formation in Gases Due to Gamma Rays" (disserta-
 tion for PhD degree in Mathematical Physics, 1940), pp 115-180.

Includes a 2-page summary in English.

Number Two

1. Ya. L. Al'pert, "Investigation of the Phase Structure of the Electro-
 magnetic Field Close to a Radiating Antenna" (dissertation for BS degree in
 Mathematical Physics, defended 14 June 1941 at the institute), pp 5-43.

Includes a 1-page summary in English.

2. P. A. Ryazin. "Propagation of Radio Waves Along the Earth's Surface"
 (Dissertation for PhD degree in Mathematical Physics, defended 22 October 1941
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3. V. A. Yastrebov, "Temperature Stability of Luminescence Bands" (dissertation for BS degree in Mathematical Physics, defended 28 June 1941 at the institute), pp 121-195.

Includes a 2-page summary in English

4. V. L. Ginzburg, "Theory of Excited Spin States of Elementary Particles (revision and addition to the author's dissertation for PhD degree, defended by the author 12 May 1942 at the institute), pp 196-223.

Includes a 1-page summary in English.

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